

SEQUENCE LISTING

<110> Sheppard, Paul O.
Jelinek, Laura J.

<120> Mammalian Secretory Protein - 9

<130> 97-11C2

<150> 09/318,028

<151> 1999-05-25

<150> 09/109,808

<151> 1998-07-02

<150> 60/089,899

<151> 1998-06-17

<150> 60/085,983

<151> 1998-05-19

<150> 60/051,704

<151> 1997-07-03

<160> 24

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<210> 1

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<222> (104)...(354)

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				Met	Lys Gly Trp	

ggt tgg ctg gcc ctg ctt ctg ggg gcc ctg ctg gga acc gcc tgg gct 163
 Gly Trp Leu Ala Leu Leu Leu Gly Ala Leu Leu Gly Thr Ala Trp Ala
 5 10 15 20

cgg agg agc cag gat ctc cac tgt gga gca tgc agg gct ctg gtg gat 211
 Arg Arg Ser Gln Asp Leu His Cys Gly Ala Cys Arg Ala Leu Val Asp
 25 30 35

gaa cta gaa tgg gaa att gcc cag gtg gac ccc aag aag acc att cag 259
 Glu Leu Glu Trp Glu Ile Ala Gln Val Asp Pro Lys Lys Thr Ile Gln
 40 45 50

atg gga tct ttc cgg atc aat cca gat ggc agc cag tca gtg gtg gag 307
 Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln Ser Val Val Glu
 55 60 65

gta act gtt act gtt ccc cca aac aaa gta gct cac tct ggc ttt gg 354
 Val Thr Val Thr Val Pro Pro Asn Lys Val Ala His Ser Gly Phe
 70 75 80

atgaaattcg attgcttaaa aaggaccttg gtttaataga aatgaagaaa acagactcag 414
 aaaaaagatt tggctctgtc tcatttgga gaagctgcag gcttattccc catgcacttg 474
 cttcctggct gcaaacctta atactttgtt tatgctgtag aatttggttag caaacaggga 534
 gtcctgatca gcacccttct ccacatccac atgactggtt tttaatgtag cactgtggta 594
 tacatgcaaa cattccgttc aaaatctgag tcggagctaa aaaaaaaaa aaaaa 649

<210> 2

<211> 83

<212> PRT

<213> Homo sapiens

<400> 2

Met Lys Gly Trp Gly Trp Leu Ala Leu Leu Leu Gly Ala Leu Leu Gly
 1 5 10 15
 Thr Ala Trp Ala Arg Arg Ser Gln Asp Leu His Cys Gly Ala Cys Arg
 20 25 30
 Ala Leu Val Asp Glu Leu Glu Trp Glu Ile Ala Gln Val Asp Pro Lys
 35 40 45
 Lys Thr Ile Gln Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln
 50 55 60
 Ser Val Val Glu Val Thr Val Thr Val Pro Pro Asn Lys Val Ala His
 65 70 75 80

Ser Gly Phe

<210> 3
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 3
 Arg Arg Ser Gln Asp Leu His Cys Gly Ala Cys Arg Ala Leu Val Asp
 1 5 10 15
 Glu Leu Glu Trp Glu Ile Ala Gln Val Asp Pro Lys Lys Thr Ile Gln
 20 25 30
 Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln Ser Val Val Glu
 35 40 45
 Val Thr Val Thr Val Pro Pro Asn Lys Val Ala His Ser Gly Phe Gly
 50 55 60

<210> 4
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 4
 Ser Gln Asp Leu His Cys Gly Ala Cys Arg Ala Leu Val Asp Glu Leu
 1 5 10 15
 Glu Trp Glu Ile Ala Gln Val Asp Pro Lys Lys Thr Ile Gln Met Gly
 20 25 30
 Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln Ser Val Val Glu Val Thr
 35 40 45
 Val Thr Val Pro Pro Asn Lys Val Ala His Ser Gly Phe Gly
 50 55 60

<210> 5
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 5
 Ser Gln Asp Leu His Cys Gly Ala Cys Arg Ala Leu Val Asp Glu Leu
 1 5 10 15
 Glu Trp Glu Ile Ala Gln Val Asp Pro
 20 25

<210> 6
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 <212> PRT
 <213> Homo sapiens

<400> 6
 Thr Ile Gln Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln Ser
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 Val Val Glu Val Thr Val Thr Val Pro Pro Asn Lys Val Ala His Ser
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 Gly Phe Gly
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<210> 7
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 <212> DNA
 <213> Homos sapiens

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 gcagaggtgg agcgacccca ttacgctaaa gatgaaaggc tggggttggc tggccctgct 120
 tctgggggcc ctgctgggaa ccgcctgggc tcggaggagc agggatctcc actgtggagc 180
 atgcagggct ctggtggatg aactagaatg ggaaattgcc caggtggacc ccaagaagac 240
 cattcagatg ggatctttcc ggatcaatcc agatggcagc cagtcagtgg ttgaggtaac 300
 tgttactgtt cccccaaca aagtagctca ctctggcttt agatgaattt cgatttattt 360
 aaaaaggacc tttgttttat taggaattga agaaaacaga ttcagaaaaa agttt 415

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 <213> Homo sapiens

<400> 8
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<210> 9
 <211> 25
 <212> DNA
 <213> Homo sapiens

<400> 9
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gcgcgaattc atgaaaggct ggggt	25
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gggctctggt ggatgaac	18
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<212> DNA

<213> Homo sapiens

<400> 15

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<210> 16

<211> 806

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (104)...(649)

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Met Lys Gly Trp

1

ggt tgg ctg gcc ctg ctt ctg ggg gcc ctg ctg gga acc gcc tgg gct 163

Gly Trp Leu Ala Leu Leu Leu Gly Ala Leu Leu Gly Thr Ala Trp Ala

5

10

15

20

cgg agg agc cag gat ctc cac tgt gga gca tgc agg gct ctg gtg gat 211

Arg Arg Ser Gln Asp Leu His Cys Gly Ala Cys Arg Ala Leu Val Asp

25

30

35

gaa cta gaa tgg gaa att gcc cag gtg gac ccc aag aag acc att cag 259

Glu Leu Glu Trp Glu Ile Ala Gln Val Asp Pro Lys Lys Thr Ile Gln

40

45

50

atg gga tct ttc cgg atc aat cca gat ggc agc cag tca gtg gtg gag 307

Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln Ser Val Val Glu

55

60

65

gtg cct tat gcc cgc tca gag gcc cac ctc aca gag ctg ctg gag gag 355

Val Pro Tyr Ala Arg Ser Glu Ala His Leu Thr Glu Leu Leu Glu Glu

70

75

80

ata tgt gac cgg atg aag gag tat ggg gaa cag att gat cct tcc acc 403

Ile 85	Cys	Asp	Arg	Met	Lys 90	Glu	Tyr	Gly	Glu	Gln 95	Ile	Asp	Pro	Ser	Thr 100	
cat	cgc	aag	aac	tac	gta	cgt	gta	gtg	ggc	cgg	aat	gga	gaa	tcc	agt	451
His	Arg	Lys	Asn	Tyr	Val	Arg	Val	Val	Gly	Arg	Asn	Gly	Glu	Ser	Ser	
				105					110					115		
gaa	ctg	gac	cta	caa	ggc	atc	cga	atc	gac	tca	gat	att	agc	ggc	acc	499
Glu	Leu	Asp	Leu	Gln	Gly	Ile	Arg	Ile	Asp	Ser	Asp	Ile	Ser	Gly	Thr	
				120					125					130		
ctc	aag	ttt	gcg	tgt	gag	agc	att	gtg	gag	gaa	tac	gag	gat	gaa	ctc	547
Leu	Lys	Phe	Ala	Cys	Glu	Ser	Ile	Val	Glu	Glu	Tyr	Glu	Asp	Glu	Leu	
		135						140					145			
att	gaa	ttc	ttt	tcc	cga	gag	gct	gac	aat	gtt	aaa	gac	aaa	ctt	tgc	595
Ile	Glu	Phe	Phe	Ser	Arg	Glu	Ala	Asp	Asn	Val	Lys	Asp	Lys	Leu	Cys	
	150						155					160				
agt	aag	cga	aca	gat	ctt	tgt	gac	cat	gcc	ctg	cac	ata	tcg	cat	gat	643
Ser	Lys	Arg	Thr	Asp	Leu	Cys	Asp	His	Ala	Leu	His	Ile	Ser	His	Asp	
165						170				175					180	
gag	cta	tga	acc	actg	gag	cag	ccca	actg	gcttg	atgg	atcacc	ccc	agg	aggg		699
Glu	Leu															
gaaa	atg	ggtg	gca	atgc	ctt	ttat	atatta	tg	tttt	tact	gaa	atta	act	gaaaa	aatat	759
gaa	acc	aaaa	q	t	aaaa	aaaa	aaaa	aq	aq	agag	agag	aga	acta			806

<210> 17
<211> 182
<212> PRT
<213> Homo sapiens

<400> 17
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20 25 30
Ala Leu Val Asp Glu Leu Glu Trp Glu Ile Ala Gln Val Asp Pro Lys
35 40 45

Lys Thr Ile Gln Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln
 50 55 60
 Ser Val Val Glu Val Pro Tyr Ala Arg Ser Glu Ala His Leu Thr Glu
 65 70 75 80
 Leu Leu Glu Glu Ile Cys Asp Arg Met Lys Glu Tyr Gly Glu Gln Ile
 85 90 95
 Asp Pro Ser Thr His Arg Lys Asn Tyr Val Arg Val Val Gly Arg Asn
 100 105 110
 Gly Glu Ser Ser Glu Leu Asp Leu Gln Gly Ile Arg Ile Asp Ser Asp
 115 120 125
 Ile Ser Gly Thr Leu Lys Phe Ala Cys Glu Ser Ile Val Glu Glu Tyr
 130 135 140
 Glu Asp Glu Leu Ile Glu Phe Phe Ser Arg Glu Ala Asp Asn Val Lys
 145 150 155 160
 Asp Lys Leu Cys Ser Lys Arg Thr Asp Leu Cys Asp His Ala Leu His
 165 170 175
 Ile Ser His Asp Glu Leu
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<210> 18
 <211> 1069
 <212> DNA
 <213> Mus musculus

<220>
 <221> CDS
 <222> (358)...(903)

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 cagatctccg ctaggtgcc tagttaagtg cggaagctg ggccaggcgg tcaactggcca 180
 ccctgaacct ggcgggagcc ggagcgctct ggagaagccg ggacagcccc gtttttccca 240
 gccagctgct agggttggga cccacagaaa acaaagtgag agtccggctg ctttccagag 300
 cctgggccac ggcggcggcc gtgggagcag aggtggagcg accctgttac actaaag atg 360
 Met
 1
 aaa ggc tgg ggt tgg cta gcc cta ctt ttg ggg gtc ctg ctg gga act 408
 Lys Gly Trp Gly Trp Leu Ala Leu Leu Leu Gly Val Leu Leu Gly Thr
 5 10 15

gcc tgg gct cga agg agc caa gat cta cac tgt gga gct tgc agg gct Ala Trp Ala Arg Arg Ser Gln Asp Leu His Cys Gly Ala Cys Arg Ala 20 25 30	456
ctg gtg gat gaa tta gag tgg gaa att gcc cgc gtg gac ccc aag aag Leu Val Asp Glu Leu Glu Trp Glu Ile Ala Arg Val Asp Pro Lys Lys 35 40 45	504
acc att cag atg gga tcc ttc cga atc aat cca gat ggc agc cag tca Thr Ile Gln Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln Ser 50 55 60 65	552
gtt gtg gag gta cct tat gcc cgc tca gag gcc cac ctc aca gag ttg Val Val Glu Val Pro Tyr Ala Arg Ser Glu Ala His Leu Thr Glu Leu 70 75 80	600
ctt gag gag gtg tgt gac cga atg aag gag tac ggg gaa cag att gac Leu Glu Glu Val Cys Asp Arg Met Lys Glu Tyr Gly Glu Gln Ile Asp 85 90 95	648
cct tct acc cac cgc aag aac tac gta cgc gtc gtg agc cgg aat gga Pro Ser Thr His Arg Lys Asn Tyr Val Arg Val Val Ser Arg Asn Gly 100 105 110	696
gaa tcc agt gaa cta gac tta cag ggc atc cga att gac tca gat atc Glu Ser Ser Glu Leu Asp Leu Gln Gly Ile Arg Ile Asp Ser Asp Ile 115 120 125	744
agc ggc acc ctc aag ttt gcg tgt gag agc att gtg gaa gaa tac gag Ser Gly Thr Leu Lys Phe Ala Cys Glu Ser Ile Val Glu Glu Tyr Glu 130 135 140 145	792
gat gag ctt atc gaa ttc ttc tcc aga gag gct gac aac gtt aaa gac Asp Glu Leu Ile Glu Phe Phe Ser Arg Glu Ala Asp Asn Val Lys Asp 150 155 160	840
aaa ctt tgc agt aag cgg aca gat cta tgt gac cat gcc ctg cac aga Lys Leu Cys Ser Lys Arg Thr Asp Leu Cys Asp His Ala Leu His Arg 165 170 175	888
tct cac gat gag cta tgaatcactg gagcaagcag cctacaccaa acgtgatgga Ser His Asp Glu Leu 180	943

acacccccag gaggggaaga tggcagcatt gccttttata ttacgttttt atggaaatga 1003
 actgaaaaaa actcttgaaa ccgaaagtaa aaaaaaaaaa aaaaaaaaaa aaattttccgc 1063
 ggccgc 1069

<210> 19
 <211> 182
 <212> PRT
 <213> Mus musculus

<400> 19
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 Thr Ala Trp Ala Arg Arg Ser Gln Asp Leu His Cys Gly Ala Cys Arg
 20 25 30
 Ala Leu Val Asp Glu Leu Glu Trp Glu Ile Ala Arg Val Asp Pro Lys
 35 40 45
 Lys Thr Ile Gln Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln
 50 55 60
 Ser Val Val Glu Val Pro Tyr Ala Arg Ser Glu Ala His Leu Thr Glu
 65 70 75 80
 Leu Leu Glu Glu Val Cys Asp Arg Met Lys Glu Tyr Gly Glu Gln Ile
 85 90 95
 Asp Pro Ser Thr His Arg Lys Asn Tyr Val Arg Val Val Ser Arg Asn
 100 105 110
 Gly Glu Ser Ser Glu Leu Asp Leu Gln Gly Ile Arg Ile Asp Ser Asp
 115 120 125
 Ile Ser Gly Thr Leu Lys Phe Ala Cys Glu Ser Ile Val Glu Glu Tyr
 130 135 140
 Glu Asp Glu Leu Ile Glu Phe Phe Ser Arg Glu Ala Asp Asn Val Lys
 145 150 155 160
 Asp Lys Leu Cys Ser Lys Arg Thr Asp Leu Cys Asp His Ala Leu His
 165 170 175
 Arg Ser His Asp Glu Leu
 180

<210> 20
 <211> 162
 <212> PRT
 <213> Homo sapiens

<400> 20

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Glu Leu Glu Trp Glu Ile Ala Gln Val Asp Pro Lys Lys Thr Ile Gln
20          25          30
Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln Ser Val Val Glu
35          40          45
Val Pro Tyr Ala Arg Ser Glu Ala His Leu Thr Glu Leu Leu Glu Glu
50          55          60
Ile Cys Asp Arg Met Lys Glu Tyr Gly Glu Gln Ile Asp Pro Ser Thr
65          70          75          80
His Arg Lys Asn Tyr Val Arg Val Val Gly Arg Asn Gly Glu Ser Ser
85          90          95
Glu Leu Asp Leu Gln Gly Ile Arg Ile Asp Ser Asp Ile Ser Gly Thr
100          105          110
Leu Lys Phe Ala Cys Glu Ser Ile Val Glu Glu Tyr Glu Asp Glu Leu
115          120          125
Ile Glu Phe Phe Ser Arg Glu Ala Asp Asn Val Lys Asp Lys Leu Cys
130          135          140
Ser Lys Arg Thr Asp Leu Cys Asp His Ala Leu His Ile Ser His Asp
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Glu Leu

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<210> 21
<211> 162
<212> PRT
<213> Mus musculus

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<400> 21
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20          25          30
Met Gly Ser Phe Arg Ile Asn Pro Asp Gly Ser Gln Ser Val Val Glu
35          40          45
Val Pro Tyr Ala Arg Ser Glu Ala His Leu Thr Glu Leu Leu Glu Glu
50          55          60
Val Cys Asp Arg Met Lys Glu Tyr Gly Glu Gln Ile Asp Pro Ser Thr
65          70          75          80
His Arg Lys Asn Tyr Val Arg Val Val Ser Arg Asn Gly Glu Ser Ser
85          90          95
Glu Leu Asp Leu Gln Gly Ile Arg Ile Asp Ser Asp Ile Ser Gly Thr
100          105          110

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Leu Lys Phe Ala Cys Glu Ser Ile Val Glu Glu Tyr Glu Asp Glu Leu
 115 120 125
 Ile Glu Phe Phe Ser Arg Glu Ala Asp Asn Val Lys Asp Lys Leu Cys
 130 135 140
 Ser Lys Arg Thr Asp Leu Cys Asp His Ala Leu His Arg Ser His Asp
 145 150 155 160
 Glu Leu

<210> 22
 <211> 18
 <212> DNA
 <213> Mus musculus

<400> 22
 tcgcgcgaga gtttggag 18

<210> 23
 <211> 18
 <212> DNA
 <213> Mus musculus

<400> 23
 cccagcttcc cgactta 18

<210> 24
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 24
 Arg Arg Ser Gln Asp Leu His Cys Gly Ala Cys Arg Ala Leu Val Asp
 1 5 10 15
 Glu Leu Glu Trp Glu Ile Ala Gln Val Asp Pro Lys Lys Thr Ile Gln
 20 25 30
 Met Gly Ser
 35